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United States Patent [19]
Barnholtz[11] **Patent Number:** **5,919,556**
[45] **Date of Patent:** **Jul. 6, 1999**[54] **MULTIPLE PLY TISSUE PAPER**[75] **Inventor:** Steven Lee Barnholtz, Hamilton, Ohio[73] **Assignee:** The Procter & Gamble Company,
Cincinnati, Ohio[21] **Appl. No.:** 08/967,234[22] **Filed:** Oct. 29, 1997**Related U.S. Application Data**[63] Continuation of application No. 08/652,863, May 23, 1996,
abandoned.[51] **Int. Cl.⁶** B32B 7/02[52] **U.S. Cl.** 428/218; 428/156; 428/170;
428/212; 428/35.6; 161/127; 161/148; 442/59[58] **Field of Search** 428/212, 170,
428/171, 35.6, 913, 905, 247, 135, 138,
153, 154, 302; 252/90, 94, 86, 88; 427/242;
442/59[56] **References Cited****U.S. PATENT DOCUMENTS**

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Huston; E. Kelly Linman[57] **ABSTRACT**

A multiple ply tissue paper structure is disclosed. The multiple ply tissue paper has plies having different texture values. In one embodiment, the multiple ply tissue paper has two plies having different calipers and macrodensities. In another embodiment, the multiple ply tissue paper has three plies, including a relatively untextured ply disposed between two relatively highly textured plies.

18 Claims, 6 Drawing Sheets